

U.S. Patent Application Serial No. 10/649,744
Amendment filed July 18, 2007
Reply to OA dated May 17, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Original) A limiting current type oxygen sensor comprising:

a patterned cathode layer;

a patterned anode layer;

a patterned solid electrolyte layer disposed in between one surface of the cathode layer
and the anode layer;

a patterned gas barrier film; and

a plane porous diffusion layer for controlling gaseous diffusion rate disposed on the other
surface of the cathode layer,

wherein said cathode layer has a bonding pad portion for connecting electrically with an
external lead wire, a part of the bonding pad is covered with the patterned solid electrolyte layer,
and the other part of the bonding pad is exposed to an atmosphere of the sensor,

wherein said patterned gas barrier film is disposed in between the bonding pad and the
patterned solid electrolyte layer at a boundary between the part of the bonding pad being in
contact with the patterned solid electrolyte layer and the other part of the bonding pad exposed to
the atmosphere, and surroundings thereof.

Claim 2 (Canceled).